

HIP JOINT PROSTHESIS

Publication number: JP3504932 (T)

Publication date: 1991-10-31

Inventor(s):

Applicant(s):

Classification:

- international:

**A61B17/58; A61F2/32; A61F2/36; A61B17/16; A61B17/74;
A61B17/86; A61F2/00; A61F2/30; A61F2/34; A61F2/46;
A61B17/58; A61F2/32; A61F2/36; A61B17/16; A61B17/68;
A61F2/00; A61F2/30; A61F2/46; (IPC1-7): A61B17/58;
A61F2/32**

- European:

A61F2/32; A61F2/36A

Application number: JP19890506230 19890612

Priority number(s): SE19880002194 19880610

Also published as:

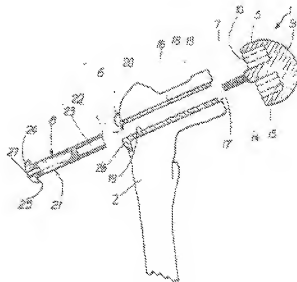
WO8911837 (A1)
SE8802194 (L)
SE463072 (B)
EP0418301 (A1)
EP0418301 (B1)

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Abstract not available for JP 3504932 (T)

Abstract of corresponding document: **WO 8911837 (A1)**

Hip joint prosthesis for permanent anchoring in the human hip joint, which prosthesis consists of a ball unit (1) designed to be anchored in the neck of a human femur (2) and a socket unit designed to be anchored in the human pelvis. The ball unit comprises a ball (5) with a convex joint surface (9) which essentially has the shape of a partial sphere, and an anchoring arrangement (6, 7, 8) for anchoring the ball in the femur. The ball (5) has a cavity (10) designed to be arranged on the end of the human femoral neck (13), which is shaped for fitting in the cavity, and a shaft (14) extending essentially centrally from the cavity. The anchoring arrangement (6, 7, 8) for the ball comprises a sleeve-shaped anchoring element (6) to be separately implanted in a channel (17) passing through the femoral neck (13). A joining piece connected to the shaft in the form of a tightening device (8) creates, by engaging with the anchoring element, a prestressing of the ball with the shaft introduced into the sleeve-shaped anchoring element. The anchoring arrangement for the socket unit (3) likewise comprises an anchoring element (36) to be separately implanted in the cavity in the pelvis, and a positive lock for securing the socket on the anchoring element in the pelvis.



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